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L10: Entry 13 of 18

File: EPAB

Jun 30, 1994

PUB-NO: DE004244415A1  
DOCUMENT-IDENTIFIER: DE 4244415 A1  
TITLE: TITLE DATA NOT AVAILABLE

PUBN-DATE: June 30, 1994

## INVENTOR-INFORMATION:

NAME

QUELLE, GERHARD

COUNTRY

DE

## ASSIGNEE-INFORMATION:

NAME

QUELLE GERHARD

COUNTRY

DE

APPL-NO: DE04244415

APPL-DATE: December 29, 1992

PRIORITY-DATA: DE04244415A (December 29, 1992)

INT-CL (IPC): A61K 37/02; A61K 37/18; A61K 7/00; C12N 5/00; C12P 21/06  
EUR-CL (EPC): A61K007/48; A61K007/48, A61K035/36 , A61K038/01 , A61K038/06 ,  
A61K038/06 , A61K038/39 , C12N005/00 , A61K031/195 , C07K004/12

## ABSTRACT:

Prepn. for cosmetic, pharmaceutical and biotechnology use containing the amino acid sequence Gly-His-Lys and/or Gly-Asp-Ser as tripeptides and or partial peptide sequence in concns. of 10 power (-12) to 10 power (-2) mol/l. The prepn. may be obtd. after a mild hydrolysis of, e.g, collagen, gelatine, elastin, keratin or connective tissue in 0.5-6.ON-HCl, 0.1 h up to 7 days at temps. between 20 deg. C to 121 deg. C and contain peptides and amino acids in concns. of 10 power (-12) to 1 mol/l. Pref., the prepn. also contains agents occurring in the skin and the connective tissues which enhance its effects, e.g, saccharides, polysaccharides, fibronectin, cytokines in concns. of 10 power (-12) to 2 mol/l.

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L10: Entry 17 of 18

File: DWPI

Jun 30, 1994

DERWENT-ACC-NO: 1994-219035

DERWENT-WEEK: 199427

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TITLE: Peptide prepn contg e g, tri:peptide(s) Gly-His-Lys and/or Gly-Asp-Ser - obtd after mild hydrolysis of pref gelatin, keratin or collagen, useful in medicine, bio:technology and cosmetics

INVENTOR: QUELLE, G

PATENT-ASSIGNEE:

ASSIGNEE

CODE

QUELLE G

QUELI

PRIORITY-DATA: 1992DE-4244415 (December 29, 1992)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 4244415 A1	June 30, 1994		023	A61K037/02

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
DE 4244415A1	December 29, 1992	1992DE-4244415	

INT-CL (IPC): A61K 7/00; A61K 37/02; A61K 37/18; C12N 5/00; C12P 21/06

ABSTRACTED-PUB-NO: DE 4244415A

BASIC-ABSTRACT:

Prepn. for cosmetic, pharmaceutical and biotechnology use containing the amino acid sequence Gly-His-Lys and/or Gly-Asp-Ser as tripeptides and or partial peptide sequence in concns. of 10 power (-12) to 10 power (-2) mol/l.

The prepn. may be obtd. after a mild hydrolysis of, e.g, collagen, gelatine, elastin, keratin or connective tissue in 0.5-6.ON-HCl, 0.1 h up to 7 days at temps. between 20 deg. C to 121 deg. C and contain peptides and amino acids in concns. of 10 power (-12) to 1 mol/l. Pref., the prepn. also contains agents occurring in the skin and the connective tissues which enhance its effects, e.g, saccharides, polysaccharides, fibronectin, cytokines in concns. of 10 power (-12) to 2 mol/l.

USE/ADVANTAGE - The new peptides are useful in biotechnology (e.g., additives for serum-free cell culture media), medicine (as wound healing agents, for immuno-stimulation and increase in erythropoietin formation) and in cosmetics (as anti-ageing-factor). The peptide and amino acid mixts. obtd. by partial hydrolysis under defined hydrolysatation conditions have new characteristics which are different from those of the starting materials and pref. relate to an increase in cell metabolism, stimulation of collagen synthesis and/or radical scavenging (claimed).

CHOSEN-DRAWING: Dwg.0/6

TITLE-TERMS: PEPTIDE PREPARATION CONTAIN TRI PEPTIDE OBTAIN AFTER MILD HYDROLYSIS

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L10: Entry 14 of 18

File: EPAB

Jul 1, 1993

PUB-NO: DE004244418A1

DOCUMENT-IDENTIFIER: DE 4244418 A1

TITLE: Cosmetic and pharmaceutical compsn. contg. specific tri:peptide(s) - is prepd. by controlled hydrolysis of collagen, etc., for stimulating cell respiration or collagen synthesis, etc.

PUBN-DATE: July 1, 1993

## INVENTOR-INFORMATION:

NAME

QUELLE, GERHARD

COUNTRY

DE

## ASSIGNEE-INFORMATION:

NAME

QUELLE GERHARD

COUNTRY

DE

APPL-NO: DE04244418

APPL-DATE: December 30, 1992

PRIORITY-DATA: DE04244418A (December 30, 1992)

INT-CL (IPC): A61K 7/48; A61K 37/02

EUR-CL (EPC): C12N005/00; A61K007/48, A61K038/01 , A61K038/04 , C07K014/78

## ABSTRACT:

Compsn. for cosmetic, pharmaceutical or biotechnical use contains the sequence Gly-His-Lys and/or Gly-Asp-Ser either as tripeptide and/or as part of longer peptides at a concn. of 1 picoM to 0.01M. Pref. the compsn. is prepd. by mild hydrolysis of collagen, (hydrolysed) gelatin, elastin, keratin, or connective tissue in 0.5-6N HCl for 0.1 hr. to 7 days at 20-121 deg. C and contains peptides and amino acids at 1 picoM to 1M. Alternatively it contains peptides produced by partial hydrolysis using collagenase from clostridium histolyticum. USE/ADVANTAGE - Compared to compspn. contg. non-hydrolysed material, this compsn. has better stimulating activity or cell respiration and collagen synthesis and/or better radical scavenging activity. Typical applications include (1) additive for cell growth media; (2) stimulation of healing and the immune system; (3) increasing endogeneous prodn. of erythropoietin; (4) for skin care, as anti-ageing factor and as radical scavenger.

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 JPO Abstracts Database  
 EPO Abstracts Database  
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 IBM Technical Disclosure Bulletins

**Term:**

L8 and cosmetic

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<u>L10</u>	L8 and cosmetic	18	<u>L10</u>
<u>L9</u>	L8 and ((424/401)!.CCLS.)	2	<u>L9</u>
<u>L8</u>	tripeptide same l7	128	<u>L8</u>
<u>L7</u>	(gly or glycine) same (his or histidine) same (lys or lysine)	24420	<u>L7</u>
<u>L6</u>	kollaren	0	<u>L6</u>
<u>L5</u>	L4 not l3	14	<u>L5</u>
<u>L4</u>	L2 and cosmetic	16	<u>L4</u>
<u>L3</u>	L2 and ((424/401)!.CCLS.)	2	<u>L3</u>
<u>L2</u>	(ferment or fermented) near (soy or soya)	240	<u>L2</u>
<u>L1</u>	phytokine	0	<u>L1</u>

END OF SEARCH HISTORY